

Docket No.: 2328-049

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled **VACUUM PLASMA PROCESSOR HAVING A CHAMBER WITH ELECTRODES AND A COIL FOR PLASMA EXCITATION AND METHOD OF OPERATING SAME**, the specification of which

[X] is attached hereto [] was filed on as Application Serial No. and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):	Priority Claimed
<u>Number</u> - <u>Country</u> - <u>Day/Month/Year filed</u>	<u>Yes</u> <u>No</u>

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below.

Prior Provisional Application(s):
<u>Application Number</u> <u>Filing Date</u>

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U. S. Application(s):	Status:
<u>Serial No.</u> - <u>Filing Date</u>	<u>Patented</u> , <u>Pending</u> , <u>Abandoned</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) and/or agent(s): Allan M. Lowe, Reg. No. 19,641; Israel Gopstein, Reg. No. 27,333; Benjamin J. Hauptman, Reg. No. 29,310; Kenneth M. Berner, Reg. No. 37,093, Michael G. Gilman, Reg. No. 19,114; and Randy A. Novanbrock, Reg. No. 42,940, all of

LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER, LLP
1700 Diagonal Road, Suite 310
Alexandria, Virginia 22314

and Jeffrey J. Brooks, Reg. No. 35,834 of Lam Research Corporation with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all future correspondence should be addressed to them.

Full name of sole or first inventor: Tuqiang NI

Date: 10-12-00

Inventor's signature: *Tuqiang Ni*

Residence: Fremont, California

Citizenship: P.R. China

Post Office Address: 5415 Ontario Common, Fremont, CA 94555

Full name of second joint inventor: Wendi COLLISON

Date: 10-12-00

Inventor's signature: *Wendi Collison*

Residence: Fremont, California

Citizenship: P.R. China

Post Office Address: 43257 Livermore Common, Fremont, CA 94539

Full name of third joint inventor: David HEMKER

Date: 10-12-00

Inventor's signature: *David Hemker*

Residence: San Jose, California

Citizenship: USA

Post Office Address: 11470 Encante Vista Avenue, San Jose, CA 95127

Full name of fourth joint inventor: Lumin LI

Date:

Inventor's signature: *Lumin L*

10-12-00

Residence: Santa Clara, California

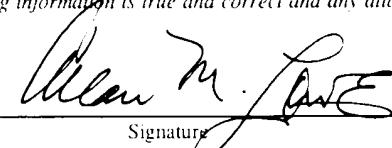
Citizenship: USA

Post Office Address: 3480 Tracy Drive, Santa Clara, CA 95051

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PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies): Tuqiang NI, Wenli COLLISON, David HEMKER, Lumin LI		2. Name and address of receiving party(ies): Name: <u>Lam Research Corporation</u> Internal Address:
Additional name(s) of conveying party(ies) attached? <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>		Street Address: <u>4650 Cushing Parkway</u> City: <u>Fremont</u> State/Country: <u>CA</u> ZIP: <u>94538-6470</u>
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other		Execution Date: <u>October 12, 2000</u> Additional name(s) & address(es) attached? <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>
4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: _____		
A. Patent Application No(s). B. Patent No(s).		
Additional numbers attached? <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER</u> Internal Address: Street Address: <u>1700 Diagonal Road, Suite 310</u> City: <u>Alexandria</u> State: <u>VA</u> ZIP: <u>22314</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>07-1337 (if necessary)</u>
DO NOT USE THIS SPACE		
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Allan M. Lowe, Reg. No. 19,641 Name and Registration No. of Person Signing  Signature <u>10/13/00</u> Date Total number of pages comprising cover sheet: <u>1</u>		
CMB No. 0851-0011 (exp. 4/94)		

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10/13/2000

ASSIGNMENT

WHEREAS WE, Tuqiang NI of Fremont, CA, Wenli COLLISON of Fremont, CA, David HEMKER of San Jose, CA and Lumin LI of Santa Clara, CA, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled VACUUM PLASMA PROCESSOR HAVING A CHAMBER WITH ELECTRODES AND A COIL FOR PLASMA EXCITATION AND METHOD OF OPERATING SAME,

executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Lam Research Corporation, a corporation of the State of Delaware and having an address of 4650 Cushing Parkway, Fremont, CA 94538-6470 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Lam Research Corporation, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any right or causes in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Lam Research Corporation, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

10-12-00

Date

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Date

10-13-00

Date

Tuqiang NI

Wenli COLLISON

David HEMKER

Lumin LI